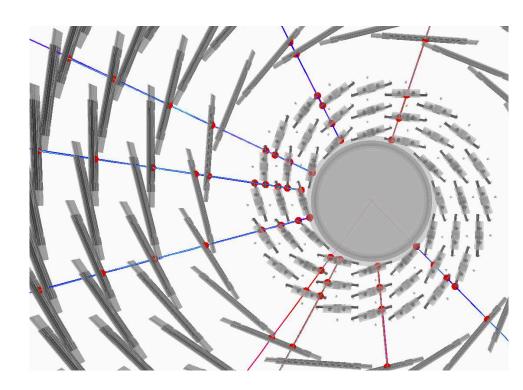


# Updates on PHG4KalmanPatRec

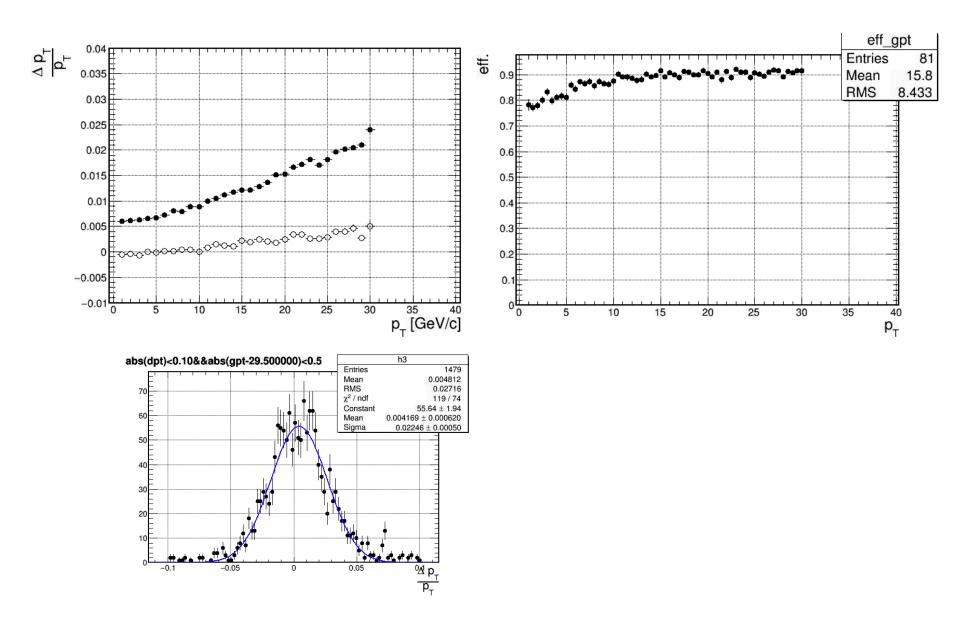
Jin Huang(BNL), Christof Roland(MIT), Haiwang Yu (NMSU)

#### Updates since last week

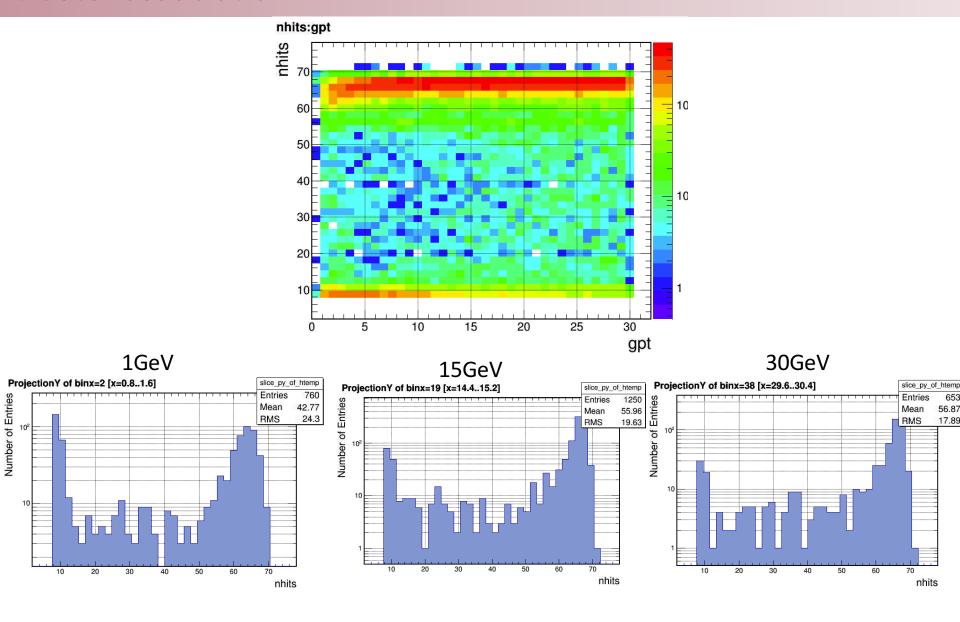
- Seeds cleanup
  - bin seeds by phi, eta, dr, dz
  - merge seeds in neighbor bins
  - largely reduce number of seeds needs to be processed
  - multiple hits in one layer
- Norm vector rotation
  - Similar as in the refitting module
- PHG4KalmanPatRec:
  - https://github.com/HaiwangYu/c oresoftware/tree/KlamanPatRec



## Performance, ana.49

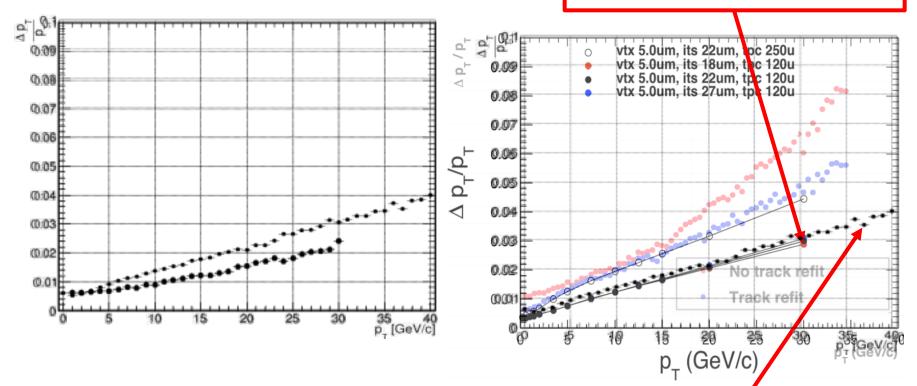


## Cluster association



## Comparison





New: Geant4 + Ideal Patter Recognition + Full Kalman fit (GenFit2)

